



Release Notes – Business Rules Version 11.7X Up to Summer 2023 Release for SIBR/BSAP/RC-BSAP

Revision History

Date	Version	By	Description
7/25/2023	1.1	WT	Incremental for ESE2 for Off Grid Charge support for Sub/Stand-alone Aggregated Capability Constraints (ACC).
3/09/2023	1.0	WT	Initial Draft for Pre Summer set. Energy Storage Enhancement (ESE).



For the Release Notes **version 1.0 this will be the Baseline Release** and is referenced in the revision history as the Initial Draft.

For modifications and adjustments of the Business Rules(BR) for SIBR/BSAP/RC-BSAP that come after the Baseline Release the revision history will **show an Incremental change** with the new BR(vX.X.x). The incremental changes will be listed on top of the baseline.

The Baseline Release will identify all the Projects associated with the SIBR/BSAP/RC-BSAP Release and if there are any changes to the UI or API web services. Changes to the UI will be documented in the SIBR SC Users Guide, BSAP Users Guide, or the RC-BSAP Users Guide. Web services changes will be documented in the Technical Specifications and posting of the related artifacts on the application pages on our Developers site.

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//////////////////////////////////// **Incremental Release** //////////////////////////////////////

This set of Release Notes covers the changes going forward from the Business Rules Version 11.7 and 11.7.4. The latest rule set version is 11.7.4. Rules for 11.7.4 for **ESE2** will be effective based on Master File election for Non-Generating Resources supporting Off Grid Charge and effective dating will be in Master File.

Incremental Summer/Fall 2023 Release Impact Updates

User Guides will be updated with respect to changes for the Off Grid Charge location (Hourly Details tab). In addition to the UI change there is also a minor change to the xsd for the Off Grid Charge element. The SIBR Tech Specs will also be updated to include the change. This will be an updated xsd only and the web service name and endpoints will not change. Only Scheduling Coordinators that have NGR resources supporting Off Grid Charge will need to make changes to systems supporting bid submission and retrieval.

The following elements defined below give a quick overview of the incremental changes to the systems that interface with the Business Rules.

Application	Element	Change	Comment
SIBR	<i>SIBR UI</i>	YES	New Off Grid Charge (Hourly component)
	<i>SIBR Web Services</i>	YES	Updated xsd to support new element for Off Grid Charge.
	<i>SIBR Rules</i>	YES	11.7.4 (DAM/RTM for NGR eligible to elect)
BSAP	<i>BSAP UI</i>	NO	
	<i>BSAP Web Services</i>	NO	
	<i>BSAP Rules</i>	NO	
RC-BSAP	<i>RC-BSAP UI</i>	NO	



	RC-BSAP Web Services	NO	
	RC-BSAP Rules	NO	

Revision History for Rules: (post 11.7)

Version 11.7.3 and below are in Production supported rules.
11.7.4 will be active with Fall Release.

11.6.3	2/14/2023	Added 22604, 22605, 22606 for NGR Reg OpRes Ramp content	CQ 17436
11.6.3	2/14/2023	Added 32667, 32668, 32669, 32670, 32671, 32672 for NGR Reg OpRes Ramp validation	CQ 17436
11.6.3	2/14/2023	Added 42612, 42613, 42614, 42615 for NGR Reg OpRes Ramp processing	CQ 17436
11.7.1	2/14/2023	Updating this Rule set for 11.6.3 changes post 11.7 transmittal See updates for 11.6.3 above.	CQ 17436
11.7.2	5/15/2023	Modify 32527, 32528, 32530 and 32531 for ESE effective date.	ESE 17725
11.7.2	5/15/2023	Added 32543, 32544, 32545, 32456 for Non LESR with DA Reg post ESE.	ESE 17725
11.7.3	5/30/2023	Added 41991 Transition Cost.	CQ 17678
11.7.4	6/15/2023	Added Term for Off Grid Charge Indicator.	ESE2
11.7.4	6/15/2023	Modified 22612, 22613 for Misc bid component for Off Grid Charge.	ESE2
11.7.4	6/15/2023	Added 32624 indicating a Yes or No if Off Grid Charge is specified.	ESE2

Incremental Revision of Terms for Summer/Fall 2023 Release:

Name	Acronym	Definition
Off Grid Charge Indicator		A Y/N indicator for an NGR that is identified to manage the Sub/Stand-Alone ACC charging.



Incremental Business Rules Impacted – Summer/Fall 2023 Release:

Rule changes for the Version 11.7x are located below. Modified Text in red, new rules will be all red. Rule changes are in order per version starting with 11.7.1 through 11.7.4.

BR 11.7.1. up-lift of the 11.6.3 rule set.

New rules are as follows:

Market	Business Rule ID	Business Rule Numbering				Description
ALL	22604	2	2	6	4	A Non-Generating Resource Regulating Ramp Rate Bid Component must specify a Regulating Ramp Rate (MW/min).
ALL	22605	2	2	6	5	A Non-Generating Resource Operating Reserve Ramp Rate Bid Component must specify an Operating Reserve Ramp Rate (MW/min).
ALL	22606	2	2	6	6	A Non-Generating Resource Ramp Rate Bid Component must specify at least one of the following: 1) at most one Operational Ramp Rate Bid Component; 2) at most one Regulating Ramp Rate Bid Component; and 3) at most one Operating Reserve Ramp Rate Bid Component.
ALL	32667	3	2	6	5	The Regulating Ramp Rate specified in a Regulating Ramp Rate Bid Component for a Non-Generating Resource in a Non-Generating Resource Bid must not be less than the registered Worst Regulating Ramp Rate for that Non-Generating Resource and Bid Period specified in that Bid.
ALL	32668	3	2	6	6	The Regulating Ramp Rate specified in a Regulating Ramp Rate Bid Component for a Non-Generating Resource in a Non-Generating Resource Bid must not be greater than the registered Best Regulating Ramp Rate for that Non-Generating Resource and Bid Period specified in that Bid.
ALL	32669	3	2	6	7	The Regulating Ramp Rate specified in a Regulating Ramp Rate Bid Component for a Non-Generating Resource in a Non-Generating Resource Bid must be equal to the registered Best Regulating Ramp Rate for that Non-Generating Resource and Bid Period specified in that Bid, if that Non-Generating Resource is registered as a NMRR for that Bid Period.
ALL	32670	3	2	6	8	The Operating Reserve Ramp Rate specified in an Operating Reserve Ramp Rate Bid Component for a Non-Generating Resource in a Non-Generating Resource Bid must not be less than the registered Worst Operating Reserve Ramp Rate for that Non-Generating Resource and Bid Period specified in that Bid.



ALL	32671	3	2	6	9	The Operating Reserve Ramp Rate specified in an Operating Reserve Ramp Rate Bid Component for a Non-Generating Resource in a Non-Generating Resource Bid must not be greater than the registered Best Operating Reserve Ramp Rate for that Non-Generating Resource and Bid Period specified in that Bid.
ALL	32672	3	2	6	10	The Operating Reserve Ramp Rate specified in an Operating Reserve Ramp Rate Bid Component for a Non-Generating Resource in a Non-Generating Resource Bid must be equal to the registered Best Operating Reserve Ramp Rate for that Non-Generating Resource and Bid Period specified in that Bid, if that Non-Generating Resource is registered as a NMRR for that Bid Period.
RTM	42612	4	2	6	3	If there is a Clean Bid for the Non-Generating Resource and a Bid Period in the Trading Day that includes the Trading Hour specified in a Non-Generating Resource Bid, all Regulating Ramp Rate Bid Components from the latest such Clean Bid must be copied into that Non-Generating Resource Bid. If the External Bid Status is not set to "M" (Modified) or "CM" (Conditionally Modified), set the External Bid Status to "MI" (Valid).
RTM	42613	4	2	6	4	
ALL	42614	4	2	6	5	If there is a Regulation Down Bid Component, a Regulation Down Self-Provision Bid Component, a Regulation Up Bid Component, or a Regulation Up Self-Provision Bid Component, but no Regulating Ramp Rate Bid Component, for a Non-Generating Resource Bid, a Regulating Ramp Rate Bid Component must be generated for that Non-Generating Resource in that Bid with a Regulating Ramp Rate equal to the registered Best Regulating Ramp Rate for that Non-Generating Resource and Bid Period specified in that Bid.
ALL	42615	4	2	6	6	If there is a Spinning Reserve Bid Component, a Spinning Reserve Self-Provision Bid Component, a Non-Spinning Reserve Bid Component, or a Non-Spinning Reserve Self-Provision Bid Component, but no Operating Reserve Ramp Rate Bid Component, for a Non-Generating Resource Bid, an Operating Reserve Ramp Rate Bid Component must be generated for that Non-Generating Resource in that Bid with an Operating Reserve Ramp Rate equal to the registered Best Operating Reserve Ramp Rate for that Non-Generating Resource Bid Period specified in that Bid.

BR 11.7.2.

Market	Business Rule ID	Business Rule Numbering				Description
RTM	32527	3	2	5	36	If there is a Day-Ahead Regulation Award for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, the registered Lower Regulating Limit for that Non-Generator Resource and Trading Hour, plus the Day-Ahead Regulation Down Award, if any, for that Non-Generator Resource and Trading Hour, must not be greater than the Total Generating Self-Schedule Quantity derived from all Generating Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is prior to the ESE Effective Date.
RTM	32528	3	2	5	37	If there is a Day-Ahead Regulation Award for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, the registered Upper Regulating Limit for that Non-Generator Resource and Trading Hour, minus the Day-Ahead Regulation Up Award, if any, for that Non-Generator Resource and Trading Hour, must not be less than the Total Load Self-Schedule Quantity derived from all Load Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is prior to the ESE Effective Date.
RTM	32530	3	2	5	38	If there is a Day-Ahead Regulation Award and a Generating Self-Schedule Bid Component for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, the registered Upper Regulating Limit for that Non-Generator Resource and Trading Hour, minus the Day-Ahead Regulation Up Award, if any, for that Non-Generator Resource and Trading Hour, must not be less than the Total Generating Self-Schedule Quantity derived from all Generating Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is prior to the ESE Effective Date.
RTM	32531	3	2	5	39	If there is a Day-Ahead Regulation Award and a Load Self-Schedule Bid Component for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, the registered Lower Regulating Limit for that Non-Generator Resource and Trading Hour, plus the Day-Ahead Regulation Down Award, if any, for that Non-Generator Resource and Trading Hour, must not be greater than the Total Load Self-Schedule Quantity derived from all Load Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is prior to the ESE Effective Date.
						New Rules

RTM	32543	3	2	5	42	If there is a Day-Ahead Regulation Award for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is not registered as a LESR for that Trading Hour , the registered Lower Regulating Limit for that Non-Generator Resource and Trading Hour, plus the Day-Ahead Regulation Down Award, if any, for that Non-Generator Resource and Trading Hour, must not be greater than the Total Generating Self-Schedule Quantity derived from all Generating Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is on or after the ESE Effective Date.
RTM	32544	3	2	5	43	If there is a Day-Ahead Regulation Award for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is not registered as a LESR for that Trading Hour , the registered Upper Regulating Limit for that Non-Generator Resource and Trading Hour, minus the Day-Ahead Regulation Up Award, if any, for that Non-Generator Resource and Trading Hour, must not be less than the Total Load Self-Schedule Quantity derived from all Load Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is on or after the ESE Effective Date.
RTM	32545	3	2	5	44	If there is a Day-Ahead Regulation Award and a Generating Self-Schedule Bid Component for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is not registered as a LESR for that Trading Hour , the registered Upper Regulating Limit for that Non-Generator Resource and Trading Hour, minus the Day-Ahead Regulation Up Award, if any, for that Non-Generator Resource and Trading Hour, must not be less than the Total Generating Self-Schedule Quantity derived from all Generating Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is on or after the ESE Effective Date.
RTM	32546	3	2	5	45	If there is a Day-Ahead Regulation Award and a Load Self-Schedule Bid Component for the Non-Generator Resource and the Trading Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is not registered as a LESR for that Trading Hour , the registered Lower Regulating Limit for that Non-Generator Resource and Trading Hour, plus the Day-Ahead Regulation Down Award, if any, for that Non-Generator Resource and Trading Hour, must not be greater than the Total Load Self-Schedule Quantity derived from all Load Self-Schedule Bid Components in that Bid, if the Bid Period specified in the bid is on or after the ESE Effective Date.



BR 11.7.3.

Market	Business Rule ID	Business Rule Numbering				Description
ALL	41991	4	1	12	13	<p>If there is a Default Start-Up Bid Adjustment Component for that Generating Resource and Trading Day, the State Transition Cost specified in a State Transition Definition of the State Transition Bid Component in a Generating Resource Bid is greater than the corresponding Proxy State Transition Cost for that State Transition Definition of the State Transition Bid Component of the Generating Resource and Bid Period specified in that Bid, plus the Online State Transition Opportunity Cost for that State Transition Definition, that State Transition Cost must be replaced by that Proxy State Transition Cost plus that Online State Transition Opportunity Cost, if that Generating Resource is registered with a State Transition Cost Basis of "Proxy Cost" for that Bid Period.</p> <p>Note: The Proxy State Transition Cost in the State Transition Definition will change IF there is an adjusted SUC submitted (based on the newly supplied Default SUC).</p>

BR 11.7.4.

Market	Business Rule ID	Business Rule Numbering				Description
DAM	22612	2	2	13	2	<p>A Miscellaneous Bid Component for a Non-Generator Resource and a Trading Hour in a Non-Generator Resource Bid must include at least one of the following: a) a Generating Capacity Limit (MW); b) a Load Capacity Limit (MW); c) an Off Grid Charge Indicator, if and only if that Non-Generator Resource is registered as an Off Grid Charge Resource, and d) a NERC Tag, if and only if that Non-Generator Resource is registered as an Inter-Tie Non-Generator Resource for that Trading Hour.</p>



RTM	22613	2	2	13	3	A Miscellaneous Bid Component for a Non-Generator Resource and a Trading Hour in a Non-Generator Resource Bid must include at least one of the following: a) a Generating Capacity Limit (MW); b) a Load Capacity Limit (MW); c) an Off Grid Charge Indicator, if and only if that Non-Generator Resource is registered as an Off Grid Charge Resource, d) a NERC Tag, if and only if that Non-Generator Resource is registered as an Inter-Tie Non-Generator Resource for that Trading Hour; and e) a Dispatch Option, if and only if that Non-Generator Resource is registered as an Inter-Tie Non-Generator Resource for that Trading Hour.
ALL	32624	3	2	13	19	If there is an Off Grid Charge Indicator specified in a Miscellaneous Bid Component for a Non-Generator Resource in that Bid and Trading Hour it must be either "Yes" or "No".

//////////////////// **Baseline Release** //////////////////////

This set of Release Notes covers the changes going forward from the Business Rules Version 11.7.

Pre-Summer 2023 Release Impacts

Business Rule changes within a release may force changes to the User Interfaces or Web Services depending on the requirement changes that are needed to support new or modified functionality within system applications. The following elements defined below give a quick overview of expected changes to the systems that interface with the Business Rules.

Application	Element	Change	Comment
SIBR	<i>SIBR UI</i>	NO	
	<i>SIBR Web Services</i>	NO	
	SIBR Rules	YES	ESE



BSAP	BSAP UI	NO	
	BSAP Web Services	NO	
	BSAP Rules	NO	
RC-BSAP	RC-BSAP UI	NO	
	RC-BSAP Web Services	NO	
	RC-BSAP Rules	NO	

Please visit the relevant user documentation on the Release Planning page for the updates to the documents associated to a specific Release.

<http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx>

SIBR User Guide – UI changes will be documented in this document.

SIBR Interface Specifications - all web service (wsdl, xsd, xml) changes will be documented in this document.

<https://developer.caiso.com>

BSAP User Guide – UI changes will be documented in this document.

Base Schedule Interface Specification Web Services - all web service (wsdl, xsd, xml) changes will be documented in this document. <https://developer.caiso.com>

RC-BSAP User Guide – UI changes will be documented in this document.

RC Base Schedule Interface Specification Web Services - all web service (wsdl, xsd, xml) changes will be documented in this document. <https://developer.caiso.com>

Business Rules Pre Summer 2023 Release Projects (included Independent Projects)



The **Pre Summer 2023 Release** rules capture changes associated with the following projects targeted for implementation near June 2023 timeframe. The exception to this set of release notes is this is also capturing changes for current production prior to version 11 of the SIBR rules which is in production at this time.

ESE (Energy Storage Enhancement)

<http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx> this set may also include updates to rule modifications not tied to a release.

The full set of the Business Rules promoted to Production and for Upcoming (future) Market Simulations can be seen under the SIBR user documentation under the Application Access/ in SIBR user documentation for all rules related to SIBR/BSAP/RC-BSAP.

<http://www.caiso.com/participate/Pages/ApplicationAccess/Default.aspx>

Revision History for Rules:

Version 11.7

Version	Date	Changes	Reference
11.7	1/23/2023	Added new rules for Energy Storage Enhancements (ESE) LESR.	ESE
11.7	1/23/2023	Added rule 10093 for ESE Effective Date.	ESE
11.7	1/23/2023	Added terms for ESE Coverage Up/Down Factors.	ESE
11.7	1/23/2023	Added rule 10094 and 10095 to initialize the ESE Coverage Factor (Up/Down).	ESE
11.7	1/26/2023	Added 32417 for DAM SS not allowed if AS in that hour.	ESE
11.7	1/26/2023	Added 32418 for RTM SS not allowed if DA AS in that hour.	ESE
11.7	1/26/2023	Added 42307 and 42308 for RTM Energy Bid generation/extension to cover DA AS.	ESE
11.7	1/26/2023	Added 32543 RTM En bid needed if DA AS.	ESE
11.7	1/26/2023	Updated DAM NGR and RTM NGR RFs.	ESE
11.7	1/26/2023	Modified 52002 and 52003 post market rules for pre ESE effective date.	ESE



11.7	1/26/2023	Added 52010 and 52011 for post ESE effective date for Non LESR.	ESE
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Revision of Terms for Pre Summer 2023 Release:

Name	Acronym	Definition
ESE Coverage Down Factor		Configurable factor applied to NGR (LESR) bid generation extension when DA AS Award (RU,SR, NR) is present.
ESE Coverage Up Factor		Configurable factor applied to NGR (LESR) bid generation extension when DA AS Award (RD) is present.

Business Rules Impacted – Pre Summer 2023 Release:

Rule changes for the Version 11. 7.x are located below. Modified Text in red, new rules will be all red. Comments section will contain highlight for ESDER3b.

Market	Business Rule ID	Description	Comments
ALL	10093	The configurable ESE Effective Date must be initialized to '6/01/2023'.	
ALL	10094	The configurable ESE Coverage Down Factor must be initialized to .5	
ALL	10095	The configurable ESE Coverage Up Factor must be initialized to .5	

DAM	32417	If there is either a Generating Self-Schedule Bid Component or Load Self-Schedule Bid Component for a Trading Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is registered as a LESR for that Trading Hour, there must not be any Ancillary Service Bid Component for that Trading Hour in that Non-Generator Resource Bid if that Trading Hour is on or after the ESE Effective Date.	LESR GSS/LSS not allowed if AS is present for that hour. (RU/RD/SR/NR)
RTM	32418	If there is any Day-Ahead Ancillary Service Award for a Trading Hour in a Non-Generator Resource Bid and the Non-Generator Resource specified in that Bid is registered as a LESR for that Trading Hour, there must not be a Generating Self-Schedule Bid Component or a Load Self-Schedule Bid Component for that Trading Hour in that Non-Generator Resource Bid, if that Trading Hour is on or after the ESE Effective Date.	LESR GSS/LSS not allowed if DA AS Award. (RU/RD/SR/NR)
RTM	42406	If there is no Energy Bid Component for a Trading Hour in a Non-Generator Resource Bid, but there is a Day-Ahead Ancillary Service Award for that Trading Hour, and the Non-Generator Resource specified in that Bid is registered as a LESR for that Trading Hour, an Energy Bid Component must be generated for that Trading Hour in that Bid with an Energy Bid Curve from the negative sum of the Day-Ahead Regulation Up Award, if any, the Day-Ahead Spinning Reserve Award, if any, and the Day-Ahead Non-Spinning Reserve Award, if any, for that Trading Hour, or zero otherwise, multiplied by the ESE Coverage Up Factor, up to the sum of a) the Day-Ahead Regulation Down Award, if any, or zero otherwise, multiplied by the ESE Coverage Down Factor and b) the sum of the Day-Ahead Spinning Reserve Award, if any, and the Day-Ahead Non-Spinning Reserve Award, if any, for that Trading Hour, or zero otherwise, with an Energy Bid Price equal to the Default Energy Bid Price for the Trading Hour of the Bid and if that Trading Hour is on or after the ESE Effective Date.	LESR Energy Bid generation Negative sum of (DARU,DASR,DANR)*ESE CU up to sum ((DARD)*ESE CD), DASR, DANR.
RTM	42407	If there is an Energy Bid Component and a Day-Ahead Ancillary Service Award for a Trading Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is registered as a LESR for that Trading Hour, the Energy Bid Curve specified in that Energy Bid Component must be extended if necessary, a) downward to the negative sum of the Day-Ahead Regulation Up Award, if any, the Day-Ahead Spinning Reserve Award, if any, and the Day-Ahead Non-Spinning Reserve Award, if any, for that Trading Hour, or zero otherwise, multiplied by the ESE Coverage Up Factor, and b) upward to the sum of i) the Day-Ahead Regulation Down Award, if any, for that Trading Hour, or zero otherwise, multiplied by the ESE Coverage Down Factor, and ii) the sum of the Day-Ahead Spinning Reserve Award, if any, and the Day-Ahead Non-Spinning Reserve Award, if any, for that Trading Hour, or zero otherwise, if that Trading Hour is on or after the ESE Effective Date.	LESR Energy Bid extension Negative sum of (DARU,DASR,DANR)*ESE CU up to sum ((DARD)*ESE CD), DASR, DANR.

RTM	52002	If there is no Energy Bid Component for the Non-Generator Resource and the Active Hour in a Non-Generator Resource Bid, but there is a Day-Ahead Spinning or Non-Spinning Reserve Award for that Non-Generator Resource and Active Hour, an Energy Bid Component must be generated in that Bid from the Day-Ahead Schedule for that Non-Generator Resource and Active Hour, if any, or zero otherwise, with an Energy Bid Range equal to the sum of the Day-Ahead Spinning and Non-Spinning Reserve Awards for that Non-Generator Resource and Active Hour, if that Trading Hour is prior to the ESE Effective Date.	LESR pre ESE Spinning/Non-Spinning Reserve Award without Energy Bid.
RTM	52003	If there is an Energy Bid Component for the Non-Generator Resource and the Active Hour in a Non-Generator Resource Bid, and there is a Day-Ahead Spinning or Non-Spinning Reserve Award for that Non-Generator Resource and Active Hour, the Energy Bid Curve specified in that Energy Bid Component must be extended upwards, if necessary, so that its Energy Bid Range is at least equal to the sum of the Day-Ahead Spinning and Non-Spinning Reserve Awards for that Non-Generator Resource and Active Hour, if that Trading Hour is prior to the ESE Effective Date.	LESR pre ESE Spinning/Non-Spinning Reserve Award with Energy Bid.
RTM	52010	If there is no Energy Bid Component for the Non-Generator Resource and the Active Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is not registered as a LESR for that Trading Hour, but there is a Day-Ahead Spinning or Non-Spinning Reserve Award for that Non-Generator Resource and Active Hour, an Energy Bid Component must be generated in that Bid from the Day-Ahead Schedule for that Non-Generator Resource and Active Hour, if any, or zero otherwise, with an Energy Bid Range equal to the sum of the Day-Ahead Spinning and Non-Spinning Reserve Awards for that Non-Generator Resource and Active Hour, if that Trading Hour is on or after the ESE Effective Date.	Non LESR post ESE Spinning/Non-Spinning Reserve Award without Energy Bid.
RTM	52011	If there is an Energy Bid Component for the Non-Generator Resource and the Active Hour in a Non-Generator Resource Bid, and the Non-Generator Resource specified in that Bid is not registered as a LESR for that Trading Hour, and there is a Day-Ahead Spinning or Non-Spinning Reserve Award for that Non-Generator Resource and Active Hour, the Energy Bid Curve specified in that Energy Bid Component must be extended upwards, if necessary, so that its Energy Bid Range is at least equal to the sum of the Day-Ahead Spinning and Non-Spinning Reserve Awards for that Non-Generator Resource and Active Hour, if that Trading Hour is on or after the ESE Effective Date.	Non LESR post ESE Spinning/Non-Spinning Reserve Award with Energy Bid.

The full set of the Business Rules can be seen under SIBR user documentation under the Application Access/ in SIBR user documentation for all rules related to SIBR/BSAP/RC-BSAP.



<http://www.caiso.com/participate/Pages/ApplicationAccess/Default.aspx>

END Document